

INTELLIGENT WORKSTATION SIMULATION - CLIENT  
VIRTUALIZATION

ABSTRACT OF THE INVENTION

A network client simulation tool that virtualizes  
5 multiple clients from a single network entity. The  
simulation tool builds LAN frames of protocol stack level  
2, which represent data originating from multiple clients  
to simulate traffic from multiple clients. It also  
provides a method for inserting the level 2 LAN frames  
10 built onto a physical LAN for actual delivery to a system  
being tested for simulating real client LAN traffic  
environment. LAN frames in the present invention are  
inserted at level 2, data link layer of a protocol stack  
by employing a novel split bridge which receives client  
15 requests and adds bridge routing information to emulate  
incoming multiple client requests having different client  
addresses.